

abstract

The present invention is a correction system applying in an analog front end(AFE). The correction system comprises a correction module, a first digital to analog converter(DAC1) and a second digital to analog converter(DAC2). The correction is used to generate a gain error correction and black pixel signal error correction when the black pixel signal is inputted into the AFE. The correction module corrects the digital output signals generated by the AFE according to the gain error correction. The correction module input the black pixel signal error correction to the DAC1 to generate a first analog correction signal to correct the signal inputted into the AFE. The present invention effectively corrects the signal error generated by the AFE to make the AFE output the corrected digital output signal.